
MEMORANDUM

TO: MSDS Requester
FROM: Gwynneth Doyle - 3E Company Data Management
RE: The MSDS you have requested
Manufacturer: ADVANCED PROTECTIVE PRODUCTS, INC.
Product: RUST DESTROYER AEROSOL

Per the Manufacturer the following MSDS(s) covers the product listed above.

L-07990

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PRODUCT NAME: ADV PRO PDTS RUST DESTROYER
PRODUCT CODE: L-07990
PREPARED FOR: ADVANCED PROTECTIVE PRODUCTS

HMS CODES: H F R I
1 4 0

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====

MANUFACTURER'S NAME: HYDROSOL, INC.
ADDRESS: 8407 S. 77th Avenue
Bridgeview, IL 60455

EMERGENCY PHONE: 708-598-7100
INFORMATION PHONE: 708-598-7100

DATE PRINTED: 11/15/95
NAME OF PREPARER: ESP

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

| REPORTABLE COMPONENTS | CAS NUMBER | VAPOR PRESSURE mm Hg @ 70°F | WEIGHT PERCENT |
|---|------------|--------------------------------|-------------------|
| PIGMENTS: RED OXIDE, SILICATES | 1309-37-1 | 0 | 24 |
| OSHA PEL: N/A, ACGIH TLV: N/A | | | |
| VEHICLE: SPECIAL ALKYL EMULSION | 64741-41-9 | 0 | 22 |
| OSHA PEL: N/A, ACGIH TLV: N/A | | | |
| PETROLEUM DISTILLATE, VM&P NAPHTHA | 64742-89-8 | 10 | 20 |
| OSHA PEL: 300 PPM, ACGIH TLV: 300 PPM | | | |
| MINERAL SPIRITS, STODDARD SOLVENT, PETRO. DISTIL. | 8052-41-3 | 2.4 | 9 |
| OSHA PEL: 100 PPM, ACGIH TLV: 100 PPM | | | |
| PROPANE | 74-98-6 | 6350 | 13 |
| OSHA PEL: 1000 PPM, ACGIH TLV: ASPHYXIA NT | | | |
| BUTANE | 106-97-8 | 1640 | 12 |
| OSHA PEL: 800 PPM, ACGIH TLV: 800 PPM | | | |

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS** =====

BOILING RANGE: -44 deg F - 310 deg F
VAPOR DENSITY: HEAVIER THAN AIR
SOLUBILITY IN WATER: NIL
APPEARANCE AND ODOR: AEROSOL PRODUCT

SPECIFIC GRAVITY (H₂O=1): 0.88
EVAPORATION RATE: SLOWER THAN ETHER

===== **SECTION IV - FIRE AND EXPLOSION HAZARD DATA** =====

FLASH POINT: -156 deg F
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .7
METHOD USED: ESTIMATED
UPPER: 9.5

EXTINGUISHING MEDIA: FOAM, CO₂, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

WATER SPRAY MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES PREFERRED. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE FROM INTERNAL PRESSURE BUILD-UP WHEN EXPOSED TO EXTREME HEAT AND DISCHARGE CONTENTS. VAPOR ACCUMULATION CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE READILY APPARENT. OBTAIN MEDICAL ATTENTION.

===== **SECTION V - REACTIVITY DATA** =====

STABILITY: STABLE
CONDITIONS TO AVOID

APPLICATION TO HOT SURFACES. STORAGE ABOVE 120 DEG F. EXPOSURE TO OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID)

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STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

RESPIRATORY IRRITATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED CO-ORDINATION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN: CONTACT MAY DRY THE SKIN; PROLONGED CONTACT MAY CAUSE MODERATE IRRITATION. EYES: LIQUID OR VAPOR CAN CAUSE MODERATE TO SEVERE IRRITATION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NOT EASILY ABSORBED. SOLVENT ACTION CAN DRY AND DEFEAT THE SKIN CAUSING THE SKIN TO CRACK, LEADING TO DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NOT A LIKELY ROUTE OF EXPOSURE. IF SWALLOWED, DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: EYE IRRITANT. POSSIBLE SKIN IRRITANT. CHRONIC: NONE KNOWN.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

NONE KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF NEEDED. APPLY ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. GET MEDICAL ATTENTION. SKIN: WIPE OFF WITH TOWEL. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. EYES: WASH IMMEDIATELY WITH LARGE VOLUMES OF FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BEFORE ATTEMPTING CLEAN UP, REFER TO OTHER SECTIONS OF THIS MSDS FOR HAZARD CAUTION INFORMATION.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE AND USE IN COOL, DRY, WELL-VENTILATED AREAS. DO NOT STORE ABOVE 120 DEG F. DO NOT PUNCTURE OR INCINERATE (BURN) CANS. DO NOT STICK PIN, NAIL OR ANY OTHER SHARP OBJECT INTO OPENING ON TOP OF CAN. DO NOT SPRAY IN EYES. DO NOT TAKE INTERNALLY. SEE PRODUCT LABEL FOR ADDITIONAL INFORMATION.

OTHER PRECAUTIONS

SMALL PRESSURIZED CONTAINERS OF FLAMMABLE PRODUCTS MAY BE STORED IN AREAS SUITABLE FOR ORDINARY COMBUSTIBLES WITH RESPECT TO CONSTRUCTION, DRAINAGE, CONTROL OF IGNITION SOURCES, AND VENTILATION EXCEPT THAT THEY SHOULD NOT BE STORED IN BASEMENTS.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

NONE UNDER NORMAL USE. AVOID BREATHING VAPORS. IN RESTRICTED AREAS, USE APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICLES AND VAPOR. IN CONFINED AREAS, USE APPROVED AIR LINE TYPE RESPIRATOR OR HOOD. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR VAPOR CONCENTRATIONS ABOVE PEL/TLV LIMITS.

VENTILATION

SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS. GENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IN VOLUME OR PATTERN TO KEEP

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PEL/TLV OF MOST HAZARDOUS INGREDIENT BELOW ACCEPTABLE LIMIT AND LEL BELOW STATED LIMIT.

PROTECTIVE GLOVES

NONE UNDER NORMAL USE. SOLVENT RESISTANT REQUIRED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION

NONE UNDER NORMAL USE; HOWEVER, USE OF SAFETY GLASSES WITH SPLASH GUARDS OR FULL FACE SHIELD IS RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NONE UNDER NORMAL USE; HOWEVER, USE OF SOLVENT RESISTANT APRONS OR OTHER CLOTHING IS RECOMMENDED.

WORK/HYGIENIC PRACTICES

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

===== **SECTION IX - DISCLAIMER** =====

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